

## 2002 CORN CHEMICAL USAGE

Nitrogen was applied to 96% of the total 2002 corn acreage in the Program States which includes Illinois, Indiana, Iowa, Minnesota, Nebraska, Ohio, and Wisconsin. All of these states had at least 94% or more of the acreage treated. Growers used an average of 1.7 applications per acre while applying 83 pounds of nitrogen per treatment. In the Program States, 79% of the corn planted acreage received a phosphate application and 68% received a potash application.

Herbicides were applied to 89% of the seven-state, corn-planted acreage in 2002, and insecticides were applied to 24%. In Minnesota, Atrazine continued to be the most widely applied herbicide with 37% of the reported acreage being treated. Atrazine was applied at a rate of 0.58 pounds per acre on the average. Acetochlor was the next most widely used with 29% treated. Nicosulfuron and dicamba were applied to 27 and 23% of the acreage, respectively. Insecticides were applied to less than 1% of the corn acreage.

### CORN: Acreage, Percent Receiving Chemicals, Number of Applications, Rates per Application, Selected States, 2002

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticide
		Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Area Applied 1/
	1,000 Acres	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Percent
IA	12,300	94	1.3	88	72	1.0	56	69	1.0	70	91	12
<b>MN</b>	<b>7,200</b>	<b>95</b>	<b>1.5</b>	<b>77</b>	<b>86</b>	<b>1.1</b>	<b>48</b>	<b>78</b>	<b>1.0</b>	<b>56</b>	<b>96</b>	<b>6</b>
WI	3,650	98	1.7	52	87	1.0	31	88	1.1	54	81	20
<b>Total 2/</b>	<b>51,350</b>	<b>96</b>	<b>1.7</b>	<b>83</b>	<b>79</b>	<b>1.1</b>	<b>54</b>	<b>68</b>	<b>1.1</b>	<b>80</b>	<b>89</b>	<b>24</b>

1/ Refers to acres receiving one or more applications of a specific chemical.

2/ Refers to 7 major corn states including: IL, IN, IA, MN, NE, OH, and WI.

### CORN: Frequency and Extent of Chemical Usage by Active Ingredient, Minnesota, 2002 1/

Active Ingredient	Area Applied 2/	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	Pounds	Pounds	1,000 Pounds
<b>Herbicides</b>					
Acetochlor	29	1.0	1.58	1.58	3,285
Atrazine	37	1.0	0.58	0.59	1,590
Bromoxynil	4	1.0	0.32	0.32	101
Clpyralid	17	1.0	0.10	0.10	121
Dicamba	23	1.0	0.25	0.25	405
Dicamba, Dimet. salt	8	1.0	0.12	0.12	63
Dicamba, Pot. salt	6	1.0	0.30	0.30	123
Diflufenzopyr-sodium	7	1.0	0.05	0.05	24
Dimethenamid	4	1.0	1.59	1.59	502
Dimethenamid -P	4	1.0	0.92	0.92	292
Flumetsulam	18	1.0	0.04	0.04	47
Foramsulfuron	3	1.0	0.03	0.03	8
Glufosinate-ammonium	9	1.0	0.31	0.31	196
Glyphosate	11	1.1	0.66	0.73	577
Mesotrione	11	1.0	0.08	0.08	64
Nicosulfuron	27	1.0	0.02	0.02	35
Primisulfuron	7	1.0	0.02	0.02	9
Rimsulfuron	22	1.0	0.01	0.01	18
S-Metolachlor	6	1.0	1.78	1.78	809

1/ Planted areas in 2002 for Minnesota were 7.20 million acres.

2/ Refers to acres receiving one or more applications of a specific chemical.